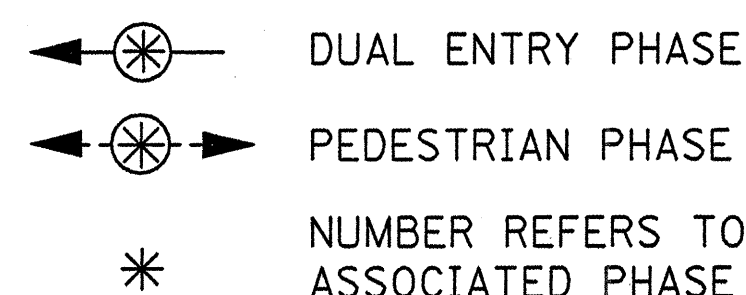
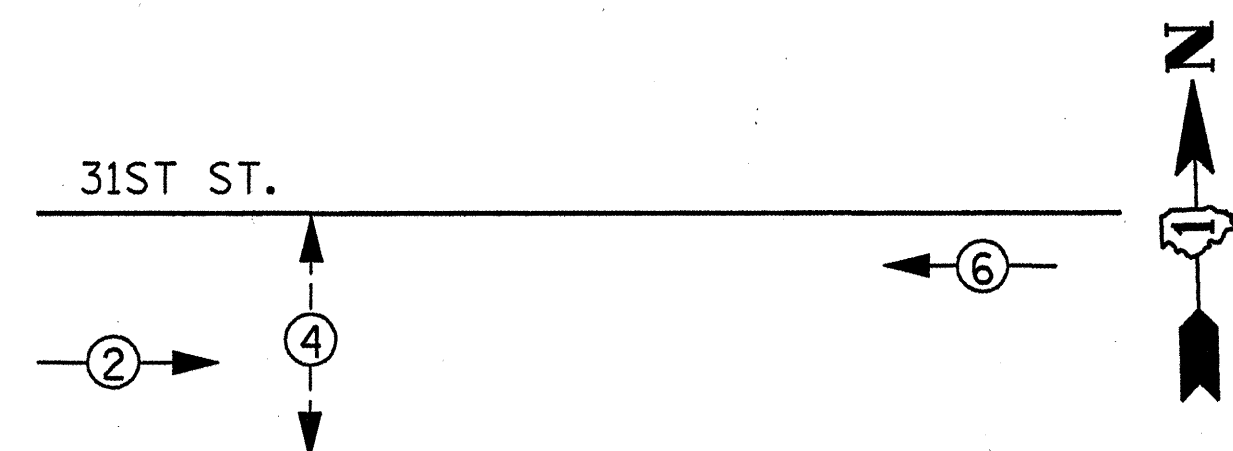


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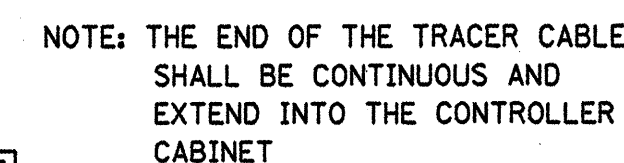


PHASE DESIGNATION DIAGRAM

1 EACH CONTROLLER AND CABINET. COMPLETE

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE OF THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACTOR BID PRICE.

- | | | |
|---|------|--|
| 2 | EACH | SIGNAL HEAD, 1 FACE, 3 SECTION, MAST ARM MOUNTED |
| 2 | EACH | SIGNAL HEAD, 2 FACE, 3 SECTION, BRACKET MOUNTED |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, 1 FACE, BRACKET MOUNTED |
| 2 | EACH | PEDESTRIAN PUSHBUTTON |
| 2 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 1 | EACH | SERVICE INSTALLATION |



CABLE PLAN

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>
0.09	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501
0.09	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701
0.09	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801
1.00	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1.00	EACH	PAINT EXISTING TRAFFIC SIGNAL EQUIPMENT
1.00	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
2.00	EACH	PEDESRIAN PUSH-BUTTON
1.00	EACH	TRANSCIVER-FIBER OPTIC
1.00	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
23.00	METER	CONDUIT TRENCH, 50MM DIA., GALVANIZED STEEL
3.00	METER	CONDUIT TRENCH, 100MM DIA., GALVANIZED STEEL
40.70	METER	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
46.70	METER	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
123.70	METER	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>
26.00	METER	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1.00	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1.20	EACH	CONCRETE FOUNDATION, TYPE "D"
29.10	METER	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
99.40	METER	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
152.30	METER	REMOVE ELECTRIC CABLE FROM CONDUIT
2.00	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED
2.00	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
2.00	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
2.00	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2.00	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
1.00	EACH	DRILL EXISTING HANDHOLE
1.00	EACH	SERVICE INSTALLATION, POLE MOUNT

I.D.O.T					TOTAL
TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	WATTAGE
SIGNAL (RED)	6	135	17	0.50	51.00
(YELLOW)	6	135	25	0.25	37.50
(GREEN)	6	135	15	0.25	22.50
ARROW		135	12	0.10	
PED. SIGNAL	2	90	25	1.00	50.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 261.00
ILLINOIS DEPARTMENT OF TRANSPORTATION					
201 WEST CENTER COURT					
SCHAUMBURG, ILLINOIS 60196-1096					
ENERGY SUPPLY		CONTACT: MIKE STEVENS			
		PHONE: 708-410-5117			
		COMPANY: COMMONWEALTH EDISON			

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FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20*HL-2.0
E - M. ARM POLE		SIGNAL POST	2 (1.0)		(6m+L+0.6m)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES 31ST STREET BETWEEN RAYMOND AND HARRISON AVENUES
NAME	DATE	
		SCALE: NONE DATE: 12/11/2003

DRAWN BY: RD	DESIGNED BY: S
CHECKED BY: D	